

Study Plan for Concentration in Pharmaceutical Technology (Part Time):

Semester 1: (8 CH)

Course ID	Course Title	Total CH	Lectures	Tutorial/ Lab	Pre-requisites	Type*
701627	Research Methodology and Biostatistics	2	2	0	Statistics	UR
701601	Clinical Pharmacokinetics	2	2	0	Biopharmaceutics & Pharmacok. II	CR
701606	Pathophysiology and Pharmacotherapy I	2	2	0	Clinical Pharmacy I & II	CR
701619	Pharmacovigilance	2	2	0		CR
	Total	8	8	0		

Semester 2: (6 CH)

Course ID	Course Title	Total CH	Lectures	Tutorial/ Lab	Pre-requisites	Type*
701608	Pathophysiology and Pharmacotherapy II	2	2	0	701606	CR
701603	Applied Instrumental Analysis	2	1.5	0.5	Instrumental Analysis I&II	CR
701617	Pharmacoeconomics	2	2	0	Clinical Pharmacy I & II Pharm. Legislation	CR
	Total	6	5.5	0.5		

Semester 3: (8 CH)

Course ID	Course Title	Total CH	Lectures	Tutorial/ Lab	Pre-requisites	Type*
701602	Novel Drug Delivery Systems	3	2	1	701601 Organic Chemistry	CR
701609	Clinical Biochemistry	2	2	0	Biochemistry I & II	CR
	College Elective	2	2	0		CE
701624	Research Thesis (stage I)	1	0	0		CR
	Total	8	6	1		

Semester 4: (7 CH)

Course ID	Course Title	Total CH	Lectures	Tutorial/ Lab	Pre-requisites	Type*
701613	Products of Biotechnology	2	2	0	701609	CR
701615	Chemistry of Natural Products	2	1.5	0.5	Phytochemistry	CR
	College Elective	2	2	0		CE
701625	Research Thesis (stage II)	1	0	0	Research Thesis(stage I)	CR
	Total	7	5.5	0.5		

Semester 5: (7 CH)

Course ID	Course Title	Total CH	Lectures	Tutorial/ Lab	Pre-requisites	Type*
701612	Advances in Pharmaceutical Technology	3	2	1	701601	CR
701626	Research Thesis (stage III)	4	0	0	Research Thesis (stage II)	CR
	Total	7	2	1		

College Elective Courses for MSc Students in Pharmaceutical Technology Concentration:

Course ID	Course Title	Total CH	Lectures	Tutorial/ Lab	Pre-requisites
701610	Clinical Microbiology	2	2	0	701609
701605	Complementary and Alternative Medicine	2	1.5	0.5	Phytochemistry
701616	Application of Radiopharmaceuticals	2	1	1	Medicinal Chemistry I&II
701614	Chemistry of Heterocycles	2	2	0	Medicinal Chemistry I&II

* UR=University Requirement
CR=College Requirement.
CE= College Elective

